



MDNR

APR 6 1983

P. O. Box 2847, Commercial Station, Springfield, Mo. 65803 417 862-0751

Site: *Litton Systems*  
ID #: *Mo 0007152903*  
Break: *1.1*  
Other: \_\_\_\_\_  
*3-21-83*

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APR 7 1983

EMERGENCY PROGRAM

March 31, 1983

Mr. John J. Franke  
Regional Administrator  
U.S. Environmental Protection Agency-Region VII  
324 East 11th Street  
Kansas City, Missouri 64106

Dear Mr. Franke,

This letter is to inform you of a reported chemical spill per 40CFR265.56(j). The information which you require is as follows:

- 265.56 (j) (1) Owner: Litton Industries, Inc.  
360 North Crescent  
Beverly Hills, California 90210
- 265.56 (j) (2) Facility: Litton-Advanced Circuitry Division  
4811 West Kearney  
Springfield, Missouri 65803  
417-862-0751
- 265.56 (j) (3) On March 26, 1983, at 3:00 p.m. approximately 100 gallons of chrome sulfuric acid leaked from a double lined polypro tank into a concrete sump. The acid solution then attacked the concrete sump causing a hole to develop in the floor. The leakage thru the sump allowed this solution to enter the soil immediately under the building.
- 265.56 (j) (4) The chrome sulfuric acid bath consisted of 1-1/4 lbs. per gallon chromic flakes and 30% sulfuric acid in water. There was approximately 100 gallons of solution in the tank when the leak developed.
- 265.56 (j) (5) There were no injuries.
- 265.56 (j) (6) To minimize the environmental impact, the area of the leak was treated as follows:
  - a) All standing solution, approximately 20 gallons, was pumped to a safe container for disposal.
  - b) The remaining solution was neutralized with MacDermid 9080 Neutralizer to convert  $Cr^{+6}$  to  $Cr^{+3}$  and adjust the pH.

265.56 (j) (6) Cont'd

- c) The area was then covered with lime to aid neutralization of the acid.
- d) The hole in the sump was then packed with sand and capped with concrete.

It must also be pointed out that since the leak occurred to an area under our plant, the protective covering offered provided by 120,000 ft.<sup>2</sup> of concrete will prevent any leaching of the spill further than the local area of the leak.

265.56 (j) (7) The approximately 20 gallons of chrome sulfuric acid which we removed from the sump was neutralized using MacDermid 9080. The liquid was then placed in a special double lined drum awaiting disposal at Chemical Waste Management Inc. in Emelle, Alabama.

All emergency equipment was cleaned prior to the storage of the equipment.

Sincerely,

Jim Dow  
Emergency Coordinator

JD/bs

CC: Mr. D. Edwards, ACD  
Mr. Gerald Lucey - Litton  
Mr. John Nixon - Regional Administrator, DNR  
Mr. Burt McCullough - Environmental Specialist, DNR